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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/550,173DATE: 07/18/2001  
TIME: 10:19:33Input Set : A:\2185-0424P.ST25.txt  
Output Set: N:\CRF3\07182001\I550173.raw

ENTERED

3 <110> APPLICANT: OOE, Norihasa  
4 MATSUNAGA, Haruyuki  
6 <120> TITLE OF INVENTION: CELL FOR MEASURING THE ABILITY TO CONTROL THE ACTIVITY  
7 OF A LIGAND-RESPONSIVE TRANSCRIPTION CONTROL FACTOR  
9 <130> FILE REFERENCE: 2185-0424P  
11 <140> CURRENT APPLICATION NUMBER: 09/550,173  
12 <141> CURRENT FILING DATE: 2000-04-14  
14 <150> PRIOR APPLICATION NUMBER: JP H11-106791  
15 <151> PRIOR FILING DATE: 1999-04-14  
17 <150> PRIOR APPLICATION NUMBER: JP H11-106792  
18 <151> PRIOR FILING DATE: 1999-04-14  
20 <150> PRIOR APPLICATION NUMBER: JP H11-106793  
21 <151> PRIOR FILING DATE: 1999-04-14  
23 <150> PRIOR APPLICATION NUMBER: JP H11-107774  
24 <151> PRIOR FILING DATE: 1999-04-15  
26 <160> NUMBER OF SEQ ID NOS: 34  
28 <170> SOFTWARE: PatentIn Ver. 2.1  
30 <210> SEQ ID NO: 1  
31 <211> LENGTH: 6  
32 <212> TYPE: DNA  
33 <213> ORGANISM: Unknown Organism  
35 <220> FEATURE:  
36 <223> OTHER INFORMATION: Description of Unknown Organism: consensus  
37 sequence of a dioxin-responsive séquence  
39 <220> FEATURE:  
40 <221> NAME/KEY: Unsure  
41 <222> LOCATION: (1)..(1)  
42 <223> OTHER INFORMATION: n = t or a  
44 <300> PUBLICATION INFORMATION:  
45 <303> JOURNAL: J. Biol. Chem.  
46 <304> VOLUME: 271  
47 <306> PAGES: 3952-3958  
48 <307> DATE: 1996-02-01  
50 <400> SEQUENCE: 1  
  
51 <210> SEQ ID NO: 2  
52 <211> LENGTH: 16  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Unknown Organism  
55 <220> FEATURE:  
56 <223> OTHER INFORMATION: Description of Unknown Organism: consensus  
57 sequence of an estrogen-responsive sequence  
58 <220> FEATURE:  
59 <221> NAME/KEY: Unsure  
60 <222> LOCATION: (7)..(9)  
61 <223> OTHER INFORMATION: n = a,c,g,t any unknown or other.  
62 <400> SEQUENCE: 2

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w 69 aggtcannnt gacctt 16  
72 <210> SEQ ID NO: 3  
73 <211> LENGTH: 20  
74 <212> TYPE: DNA  
75 <213> ORGANISM: Artificial Sequence  
77 <220> FEATURE:  
78 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
79 with human genomic DNA.  
81 <400> SEQUENCE: 3  
82 ttgagctagg cacgcaaata 20  
85 <210> SEQ ID NO: 4  
86 <211> LENGTH: 20  
87 <212> TYPE: DNA  
88 <213> ORGANISM: Artificial Sequence  
90 <220> FEATURE:  
91 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
92 with human genomic DNA  
94 <400> SEQUENCE: 4  
95 gcttgattt gcagagcaca 20  
98 <210> SEQ ID NO: 5  
99 <211> LENGTH: 51  
100 <212> TYPE: DNA  
101 <213> ORGANISM: mouse  
103 <220> FEATURE:  
104 <223> OTHER INFORMATION: The sequence is composed of nucleotide sequences  
105 derived from a nucleotide sequence near the TATA  
106 box of a mouse metallothionein I gene. The  
107 sequence is introduced into mouse and human cells.  
109 <400> SEQUENCE: 5  
110 gatctcgact ataaaagaggg caggctgtcc tcaagcgtca ccacgacttc a 51  
113 <210> SEQ ID NO: 6  
114 <211> LENGTH: 52  
115 <212> TYPE: DNA  
116 <213> ORGANISM: mouse  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: The sequence is composed of nucleotide sequences  
120 derived from a nucleotide sequence near the TATA  
121 box of a mouse metallothionein I gene. The  
122 sequence is introduced into mouse and human cells.  
124 <400> SEQUENCE: 6  
125 agcttgaagt cgtgggtgacg cttagaggac agcctgccct ctttatagtc ga 52  
128 <210> SEQ ID NO: 7  
129 <211> LENGTH: 33  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Xenopus  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: The sequence is located at the upstream of a  
135 Xenopus-derived vitellogenin gene containing a  
136 recognition sequence of an estrogen receptor. The

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137 sequence is introduced into mouse and human cells.  
139 <400> SEQUENCE: 7  
140 tcgacaaagt caggcacag tgacctgatc aag 33  
143 <210> SEQ ID NO: 8  
144 <211> LENGTH: 31  
145 <212> TYPE: DNA  
146 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:  
149 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
150 with pTK beta  
152 <400> SEQUENCE: 8  
153 cggcagatct tcttagttc tatgtatgaca c 31  
156 <210> SEQ ID NO: 9  
157 <211> LENGTH: 29  
158 <212> TYPE: DNA  
159 <213> ORGANISM: Artificial Sequence  
161 <220> FEATURE:  
162 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
163 with pTK beta  
165 <400> SEQUENCE: 9  
166 cggaagcttg atctgcggca cgctgttga 29  
169 <210> SEQ ID NO: 10  
170 <211> LENGTH: 35  
171 <212> TYPE: DNA  
172 <213> ORGANISM: Artificial Sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
176 with human cDNA  
178 <400> SEQUENCE: 10  
179 cctgcgggga cacgtctgc accctgcccc cgccc 35  
182 <210> SEQ ID NO: 11  
183 <211> LENGTH: 35  
184 <212> TYPE: DNA  
185 <213> ORGANISM: Artificial Sequence  
187 <220> FEATURE:  
188 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
189 with human cDNA  
191 <400> SEQUENCE: 11  
192 cagggagctc tcagactgtg gcagggaaac cctct 35  
195 <210> SEQ ID NO: 12  
196 <211> LENGTH: 40  
197 <212> TYPE: DNA  
198 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for  
202 adding Kozak consensus sequence to human cDNA  
204 <400> SEQUENCE: 12  
205 cccagccacc atgaccatga ccctccacac caaagcatct 40  
208 <210> SEQ ID NO: 13

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209 <211> LENGTH: 35  
210 <212> TYPE: DNA  
211 <213> ORGANISM: Artificial Sequence  
213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for  
215 adding Kozak consensus sequence to human cDNA  
217 <400> SEQUENCE: 13  
218 cagggagctc tcagactgtg gcagggaaac cctct 35  
221 <210> SEQ ID NO: 14  
222 <211> LENGTH: 35  
223 <212> TYPE: DNA  
224 <213> ORGANISM: Artificial Sequence  
226 <220> FEATURE:  
227 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
228 with human cDNA  
230 <400> SEQUENCE: 14  
231 ttgagttact gagtccgatg aatgtgcttg ctctg 35  
234 <210> SEQ ID NO: 15  
235 <211> LENGTH: 35  
236 <212> TYPE: DNA  
237 <213> ORGANISM: Artificial Sequence  
239 <220> FEATURE:  
240 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
241 with human cDNA  
243 <400> SEQUENCE: 15  
244 aaatgaggga ccacacagca gaaagatgaa gccca 35  
247 <210> SEQ ID NO: 16  
248 <211> LENGTH: 55  
249 <212> TYPE: DNA  
250 <213> ORGANISM: Artificial Sequence  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for  
254 adding Kozak consensus sequence to human cDNA  
256 <400> SEQUENCE: 16  
257 gccgcggccg cccagccacc atggatataa aaaactcacc atctagcctt aattc 55  
260 <210> SEQ ID NO: 17  
261 <211> LENGTH: 43  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for  
267 adding Kozak consensus sequence to human cDNA  
269 <400> SEQUENCE: 17  
270 gggtagaa atgagggacc acacagcaga aagatgaagc cca 43  
273 <210> SEQ ID NO: 18  
274 <211> LENGTH: 52  
275 <212> TYPE: DNA  
276 <213> ORGANISM: mouse  
278 <220> FEATURE:

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279 <223> OTHER INFORMATION: The sequence is derived from a nucleotide sequence  
280 near the TATA box of a mouse metallothionein I  
281 gene. The sequence is used for human cells. The  
282 sequence is introduced into human cells.  
284 <400> SEQUENCE: 18  
285 gatctcgact ataaaagaggg caggctgtcc tctaagcgtc accacgactt ca 52  
288 <210> SEQ ID NO: 19  
289 <211> LENGTH: 52  
290 <212> TYPE: DNA  
291 <213> ORGANISM: mouse  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: The sequence is derived from a nucleotide sequence  
295 near the TATA box of a mouse metallothionein I  
296 gene. The sequence is used for human cells. The  
297 sequence is introduced into human cells.  
299 <400> SEQUENCE: 19  
300 agcttgaagt cgtggtgacg ctttagaggac agcctgcctt ctttatagtc ga 52  
303 <210> SEQ ID NO: 20  
304 <211> LENGTH: 35  
305 <212> TYPE: DNA  
306 <213> ORGANISM: Artificial Sequence  
308 <220> FEATURE:  
309 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
310 with human cDNA  
312 <400> SEQUENCE: 20  
313 gagggcggggt aagggaaat ggtggaaat tcagc 35  
316 <210> SEQ ID NO: 21  
317 <211> LENGTH: 35  
318 <212> TYPE: DNA  
319 <213> ORGANISM: Artificial Sequence  
321 <220> FEATURE:  
322 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR  
323 with human cDNA  
325 <400> SEQUENCE: 21  
326 gggtggggaa atagggtttc caatgcttca ctggg 35  
329 <210> SEQ ID NO: 22  
330 <211> LENGTH: 40  
331 <212> TYPE: DNA  
332 <213> ORGANISM: Artificial Sequence  
334 <220> FEATURE:  
335 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for  
336 adding Kozak consensus sequence to human cDNA  
338 <400> SEQUENCE: 22  
339 cccagccacc atggaaatgc agttagggct gggaaagggtc 40  
342 <210> SEQ ID NO: 23  
343 <211> LENGTH: 35  
344 <212> TYPE: DNA  
345 <213> ORGANISM: Artificial Sequence  
347 <220> FEATURE:

**VERIFICATION SUMMARY**

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L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2